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## LOW-FRICTION SEAL

## FIELD OF THE INVENTION

The present invention pertains to a low-friction seal for high-pressure and low-pressure applications which contains a sealing ring.

## **BACKGROUND OF THE INVENTION**

A low-friction seal of this type is known from EP 0043 918

B1. This low-friction seal is realized in the form of a so-called contactless seal, i.e., a nearly frictionless seal, in which the sealing effect is realized by means of a sealing gap between the sealing ring and the location to be sealed. The viscous effect of the fluid situated in this sealing gap ensures an appropriate seal. Due to the contactless arrangement, this seal is, in contrast to conventional seals, theoretically frictionless. However, a residual friction which results from the adhesion of the fluid actually exists. For this reason, the